APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Cylindrical Shell Under the Effect of a Concentrated Radial Loading, by S. K. Porodoriy, 6 pp.
RUSSIAN, per, Prikl Mekh, Vol I, No 9, 1965, pp 14-19.
CIA/FDD X-5783

Sci - Phys
Jan 66
FOR OFFICIAL USE ONLY

294,727

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Analysis of Cylindrical Shells Under Concentrated Effects, by E. V. Zhikhovich, 7 pp. RUSSIAN, per. Prikl Mekh, Vol I, No 9, 1965, pp 20-25.
CIA/FDD X-5785

Sci - Phys
Jan 66
FOR OFFICIAL USE ONLY

294,725

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

On the Axisymmetric Buckling Mode of a Circular Cylindrical Shell, by N. A. Kil'chevskiy, S. N. Nikulinskaya, 7 pp.
RUSSIAN, per, Prikl Mekh, Vol I, No 11, 1965, pp 1-6.
CIA/FDD X-5804

Sci - Phys
Feb 66
FOR OFFICIAL USE ONLY

294,798

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Carrying Ability of a Hollow Spherical Shell, Strengthened along the Contour, by O. N. Shabliy. 7 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 1, No 11, 1965, pp 7-11. PL00029468
FTD-HT-66-584

Sci-Phy
Mar 68

349,223

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

On Non-Axisymmetric Vibrations of Conical Shells, by V. G. Kamanchov, 8 pp. RUSSIAN, per, Prikl Mekh, Vol I, No 11, 1965, pp 12-19.
CIA/PDD X-5809

Sci - Phys
Feb 66
FOR OFFICIAL USE ONLY

294,793

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Elastic Conical Shells Loaded Along the Generators and at Points of the Contour Circles, by S. I. Volk, 8 pp. RUSSIAN, per, Prikl Mekh, Vol I, No 11, 1965, pp 20-27.
CIA/FDD X-5805

Sci - Phys
Feb 66
FOR OFFICIAL USE ONLY

294,797

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Vibrations of Oval Tubes in a Compressible Fluid Flow, by G. A. Van Fo Fy, N. I. Nesmertnyi, 7 pp.
RUSSIAN, per, Prikl Mekh, Vol I, No 11, 1965, pp 106-112.
CIA/FDD X-5806

Sci - Phys
Feb 66
FOR OFFICIAL USEONLY

294,796

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

On the Approximation Theory of Shells with Average Thickness, by O. Yu. Kalabin, 12 pp. RUSSIAN, pmr. Prikladnaya Mekhanika, Vol 1, No 12, 1965, pp 29-37. P100362367
FTD-HT-66-530

Sci/Mech, Inds, Civil & Mar Engr
Jan 68 348,320

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

A Model for the Determination of Thermoelectric Characteristics for Materials Reinforced with Fibers, by A. A. Kilchinskii, 16 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 1, No 12, 1965, pp 65-74.
P100229968-V
FTD-HT-67-422

Sci/Physics 364, 327
Sep 68

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Determining the Probabilistic of the Parameters of Perturbed Motion of an Artificial Earth Satellite, by I. V. Ignatov, 8 pp.
RUSSIAN, per. Prikladnaya Mekhanika, Vol 1, No 12, 1965, pp 82-86. P100157968-V
FTD-HT-23-871-67

Sci/Space Teh
Aug 68 361,427

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Determination of the Stresses in a Strongly Anisotropic Plate with Two Elliptical Openings, by A. S. Kosmodamianskiy, 9 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 1, 1966, pp 28-34.
P100256368-V
FTD-HT-23-862-67

Sci-Physics
Oct 68

366,165

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

An Approximate Method for the Conformal Mapping of Regions with Corner Points, by G. G. Grebenkin, 10 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 1, 1966, pp 46-52.
P100256368-V
FTD-HT-23-862-67

Sci-Earth Sci
Oct 68 366,166

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

The Effect of Initial Buckling on the Stability of Finned Cylindrical Shells Under Axial Compression, by I. Ya. Axiro.
RUSSIAN, per. Prikladnaya Mekhanika, Vol 2, No 1, 1966, pp 53-58. P100077668-V
FTD-HT-66-785

Sci-Phys
May 68

356.337

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Determination of Critical Loads
Responsible for the Development of
Initially Wide Cracks, by A. A. Kaminskiy.
RUSSIAN, per, Prikl Mekh, Vol II, No 1,
1966, pp 63-67.
NASA TT F-10,898

Sci-Mechanical, Industrial

Jun 67 327,302

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Separation of a Turbulent Boundary Layer in Supersonic Flow, by Yu. A. Panov and A.I.Shvets, 9 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 1, 1966, pp 99-105.
P100256368-V
FTD-HT-23-862-67

Sci-Physics
Oct 68 366,167

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

RUSSIAN Comp. Special 7 pp. C50: 0404/72 W
26 Aug. 1971 SF

Isaak Moiseyevich Rabinovich, by F. P. Belyankin et al

Kiev, Prikladnaya Mekhanika, Vol. 2, No. 1, 1966, pp 140-141.

Special type B - do not publish - Translator's draft, plus one copy.

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Conference on Problems of High-Temperature Strength, by L. V. Kravchuk.
RUSSIAN, per. Prikladnaya Mekhanika, Vol 2, No 1, 1966, pp 141-143. P100077668-V
FTD-HT-66-785

Sci-Phys
May 68

356,338

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Stress-Strain Relations in Laminar Media,
by L. P. Khoroshun
RUSSIAN, per, Prikladnaya Mekhanika, Vol 2,
No 2, 1966, pp 14-19
NTC 71-15172-20K

mar 72

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Stability of Shells of Revolution with Arbitrary Generatrix Curvature, by S. S. Kan, 12 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 2, 1966, pp 36-43. P100340067
FTD-HT-66-786

Sci-Physics
Jan 68

346,450

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Stress Concentration around a Circular Hole in an Orthotropic Cylindrical Shell, by Yu. A. Ashmarin, 8 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 2, 1966, pp 44-48 P100340067
FTD-HT-66-786

Sci-Physics
Jan 68 346,451

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Integration of the Equations of a Three-Dimensional Boundary Layer in the Presence of Suction and Blowing, by L. F. Kozlov.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 2, 1966, pp 110-116.
Dept of Navy Tr 5016
APL/JHU T-1939

Sci/Earth Sci
Dec 66

314,650

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

A Study of Elastoplastic Deformation of Shells With Openings and Reinforcements by the Method of Photoelastic Coverings, by A. Ya. Aleksandrov, M. Kh. Akhmetzyanov, 9 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 3, 1966, pp 1-9.
P100228968-V
FTD-MT-67-421

Sol/Mech-Indus-Civil-Marine Engr
Sep 68 364,285

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Stability of a Cylindrical Shell Made from a Nonlinearly Deforming Material, by G. B. Krieyov. 7 pp.
RUSSIAN. per. Prikladnaya Mekhanika. Vol 2, No 3, 1966, pp 10-14. PL0037206?
FTD-MT-66-787

Sci-Physics
Jan 68

348.859

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Toward Solution of the Dynamic Problem for a Large-Radius Spherical Shell, by Yu. E. Semitskiy, 8 pp.
RUSSIAN, per. Prikladnaya Mekhanika, Vol 2, No 3, 1966, pp 15-20. PIC0372067
FTD-MT-66-707

Sci-Physics
Jan 68

348,860

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Distribution of Stresses Around an Elliptical Opening ina Plate from Fibrous Materials, by G. N. Savin.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 5, 1966, pp 5-11.
FTD-S-[redacted] 202-69

Apr 69 380,286

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

On the Stability of Conical Shells Under Axial Compression, by V. G. Karnaukhov, 6 pp. RUSSIAN, per. Prikl Mekh, Vol II, No 5, 1966, pp 65-70. CIA/FDD X-5888

Sci - Phys
Jul 66
FOR OFFICIAL USE ONLY

305,633

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Investigation of the Base Pressure Near the Trailing Edge of Axisymmetric Bodies in a Supersonic Flow, by Yu. A. Panov and A. I. Shvets.
RUSSIAN, per, Prikladnaya Mekhanika, Vol II, No 6, 1966, pp 105-111.
Dept of Navy/ APL/JHU T-2048

CIA/FDD X-5925 7 pp

Sci-Physics
Nov 67

344,020

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Approximate Method of Integrating the Equations of a Laminar Boundary Layer, by A. Sh. Dorfman, RUSSIAN, per, Prikladnaya Mekhanika, Vol II, No 6, 1966, pp 112-121.
Dept of Navy Trans 5314/APL/JEU T-1990

CIA/FDD V-5727 10 pp

Sci-Math
May 67 326,171

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

COMPLETED SPECIAL CSO: 0903/73

Determining the configuration of the stationary motion of a filament in media of different viscosities, by V. A. Svetlitskiy
PRIKLADNAYA MEKHANIKA, No 6, 1966, pp 133-136

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Prestressed Oriented Fiber Glass with Holow Fibers, by G. A. Van Fo Fy. RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 7, 1966, pp 1-10.
AIR/FTD/HT-23-730-67 AD 679 951

Sci-Mat
Feb 69

373,039

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Unloading Theorems in the Theory of Small Elastic-Plastic Deformations Under Nonuniform Heating, by Yu. N. Shevchenko.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 7, 1966, pp 11-21.
AIR/FTD/HT-23-730-67 AD 679 951

Sci-Mat
Feb 69

373,040

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

The Effect of Stiffening Shallow Shells of Revolution Subject to Symmetrical Loading, by V. M. Mitkevich, A. K. Shulika, 9 pp. RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 7, 1966, pp 58-64. P100338467
FTD-HT-67-27

Sci-Physics
Jan 68 346,463

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

About the Development in the XX Century of the Theory of Contact Interactions Between Solid Bodies, by N. A. Kil'chevskiy. 12 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 8, 1966, pp 32-39.
FTD S-68[illegible] 299-69

june 69

384,193

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Stability and Oscillations of Rectangular Sandwich Plates With Large Cutouts, by G. P. Zinenko, 8 pp.
RUSSIAN, por, Prikladnaya Mekhanika, Vol 2, No 8, 1966, pp 59-63
P100208268-V
FTD-HT-67-343

Sci/Physics 364,209
Sep 68

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Dissertations of Mechanics Defended at Ukrainian Institutes in 1965, by G. P. Nikitenko, 6 pp.
RUSSIAN, per. Prikladnaya Mekhanika, Vol 2, No 8, 1966, pp. 135-142.
JPRS 38852

USSR
Econ
Dec 66

313,921

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Elastic Equilibrium of Isotropic Plane with a Double Periodicity, by Ye. I. Grigolyuk, L. A. Fil'shtinskiy. 10 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 9, 1966, pp 1-7.
AIR/FTD/HR-23-827-68

Sci-Phys
Nov 69 396,749

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

On Elastic-Plastic Equilibrium in Shells of Revolution Under Finite Deflections, by I. S. Chernyshenko, 17 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 9, 1966, pp 26-36
P100207068-V
FTD-HT-67-344

Sci/Physics 364,236
Sep 68

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Designing Cylindrical Stringer-Stiffened Shells of Minimum Weight Under Axial Compression, 11 pp.
RUSSIAN, per, Prikladnaya Mekhanika,
Vol 2, No 9, 1966, pp 37-43
P100207068-V
FTD-MT-67-344

Sci/Physics 364,237
Sep 68

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

On the Question of the Solution of a Differential Equation of the Form $\ddot{x} + p(t)x = 0$, by V. P. Chirkin, 5 pp. RUSSIAN, per, Prikl Mekh, Vol II, No 9, 1966, pp 119-123.
CIA/FDD X-6071

Sci - Math Sci
Jan 67
FOR OFFICIAL USE ONLY

317,619

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Oscillations of a Supersonic Gas Flow in a Channel of Finite Length With Oscillating Walls, by D. A. Derbentsev, 6 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 9, 1966, pp 124-127
P100207068-V
FTD-HT-67-344

Sci/Physics 364,238
Sep 68

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Soviet Research on Scientific Bases of Strength and Plasticity of Materials in 1965, by E. Ya. Filatov, 13 pp.
RUSSIAN, per. Prikladnaya Mekhanika, Vol II, No 9, 1966, pp. 130-137.
TPRS 39233

USSR
Sci-Material
Feb 67

3'5,254

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Oscillations of a System With Nonlinear Characteristic Under the Influence of a Random Force, by M. F. Dimentberg. 7 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol II, No 10, 1966, pp 10-15.
AIR/FTD/MT-23-5-68

sci/physics
feb 69

375,623

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Transcritical Deformation of a Cylindrical Shell on Impact, by V. I. Borisenko, A. I. Klokova, 9 pp. RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 10, 1966, pp 29-35
P100205768-V
FTD-HT-67-345

Sci/Physics 364,202
Sep 68

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

On the Bending of Plates Taking Account of Couple Stresses, by G. A. Gevorkian.
RUSSIAN, per. Prikl. Mekh. Vol 2, No 10, 1966, pp 36-43.
CIA X-6250

Sci/Physics
May 67
FOR OFFICIAL USE ONLY 326,683

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Stressed State of an Anistrpoic Semi-Plane with a Finite Number of Elliptical Openings, by S. A. Kaloyerov.
RUSSIAN, per, Prikladnaya Mekh, Vol 2, No 10, 1966, pp 75-82.
FTD-S-[redacted] 203- 69

Apr 69 380,666

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Transverse Elastic Impact With a Sphere Against an Anisotropic Plate, by N.A. Kil'chevskiy. 4 pp RUSSIAN, per, Prikladnaya Mekhanika, Vol 2, No 11, 1966, pp 1-4.
FTD S-[illegible] 298-69

june 69 384,192

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Stress-Strain Relations in Laminar
edia, by L. P. Khoroshun.
RUSSIAN, per, Prikl Mekh, Vol XI, No 2,
1966, pp 14-19.
NASA TT F-10316

Sci-Phys
Nov 66

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

On Plate Vibrations in a Gas Flow, by
G. A. Marchenko, A. P. Filippov, 5 pp.
RUSSIAN, per, Prikl Mekh, Vol II, No 11,
1966, pp 133-137.
CIA/FDD X-6080

Sci - Phys
Feb 67
FOR OFFICIAL USE ONLY

317,696

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Stability of Elastic Systems, by I. Ya. Andro.
14 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 2,
No 12, 1966, pp 33-40.
AD/FTD/MT-23-826-68

sci/ mechan engr
sept 69 391,031

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Influence of the Scale Factor in the High-Speed Collision of Solid Particles With an Obstacle, by G. V. Stepanov.
RUSSIAN, per, Prikl. Mekh. Vol 2, No 12, 1966, pp 82-85.
CIA X 6355

Sci/Mechan Engr
Sep 67 339,600

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Axisymmetric Strain of a Thick-walled Toroidal Shell, by G. V. Kutsenko.
RUSSIAN, por. Prikl. Mekh., Vol 3, No 1, 1967, pp 49-54.
CIA X-6221

Sci/Physics
Apr 67
FOR OFFICIAL USE ONLY 322,539

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

On the Stability of a Toroidal Shell, by
T. I. Kosholeva.
RUSSIAN, per. Prikl. Mekh. Vol 3, No 1, 1967,
pp 55-61.
CIA X-6216

Sci/Physics
Apr 67 FOR OFFICIAL USE ONLY 322 537

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Experimental Method of Investigating High-Speed Collisions of Solid Particles With Obstacles at Various Angles, by G.S. Pisarenko, G.V. Stepanov. RUSSIAN, per, Prikl. Mekh., Vol 3, No 3, 1967, pp 1-5.
CIA X-6265

Sci/Methods & Equipment
Jun 67
FOR OFFICIAL USE ONLY 327,622

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Vibrations of a Circular Cylindrical Shell With a Gas Flowing Within it, by D. A. Derbentsev. RUSSIAN, per, Prikl. Mekh., Vol 3, No 3, 1967, pp 14-19.
CIA X-6260

Sci/Mechan, Indust, Civil & Marine Engr.
Jun 67
FOR OFFICIAL USE ONLY

327,617

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Experimental Determination of the Critical Forces of a Glass-plastic Cylindrical Shell, by V.S. Gusseniuk, V. S. Kravchuk, et al. RUSSIAN, per. Prikl. Mekh. Vol 3, No 3, 1967, pp 42-45.
CIA X-6251

Sci/Materials
May 67
FOR OFFICIAL USE ONLY

326,684

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

On the Nonlinear Vibrations of a One-dimensional Elastic Object, by R. P. Il'in, S. V. Kagadii
RUSSIAN, per. Prikl. Mekh. Vol 3, No 3, 1967, pp 120-122.
CIA X-6262

Sci/Physics
Jun 67
FOR OFFICIAL USE ONLY

327,619

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

A Method of Solving Problems in the Theory of Elasticity, by B. M. Lisitsyn.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 3, Apr 1967, pp 85-92.
C.E. Trans 5026

Sci-Phys
Jul 70

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

On Possible Approaches to the Formation of the Motion Equations of Nonholonomic Systems, by L. G. Lobas.
RUSSIAN, per, Prikl Mekh, Vol 3, No 6, 1967, pp 94-98.
CIA X-6504

Sci-Math
Feb 68 350,404

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

On the question of the Bending of a Cylindrical Shell by a Concentrated Radial Force, by
Yu. P. Zhigulko.
RUSSIAN, per, Prikl Mekh, Vol 3, No 6, 1967
pp 132-135.
CIA X-6502

Sci-Phys
Feb 68 350,402

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

The Axisymmetrick Form of Loss of Stability of a Spherical Dome, by A. A. Grishmin.
RUSSIAN, per. Prikladnoy Mikhanika, Vol 3, No 7, 1967, pp 125-128.
FTD-S-[redacted] 240-68

Jan 69 374,223

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Stability of Orthotropic Viscoelastid Shells, by P. M. Ojibalov, M. A. Koltunov. 11 pp. RUSSIAN, per, Prikladnaya Mekhanika, Vol 3, No 8, 1967, pp 1-10. AIR.ITD/IM-23-609-68

sci/ physics
oct 69 395,381

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Application of the Methods of Plasticity Theory to Problems of Bending of Rectangular Plates, by A. I. Strel'bitskaya.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 3, No 8, 1967, pp 31-40.
FTD HT-Special 523-69

oct 69 395,388

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

The Problem of the Heat Resistance of Fiberglass-Reinforced Plastic Compressor Blades for Gas Turbine Engines, by G. A. Yakovlev, L. D. Krivoruchko. RUSSIAN, per, Prikladnaya Mekhanika, Vol 3, No 9, 1967, pp 20-27.
FTD-S-5[illegible] /32-69

May 69 380,966

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Growth of Cracks During Destruction of Solid Polymers, by G.N. Savin, A.A. Kardinskiy. 12 pp. RUSSIAN, per, Prikladnaya Mekhanika, Vol 3, No 9, 1967, pp 33-39.
AIR/FTD/HT-23-1074-68

sci/physics
may 69

382,912

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Limit Deformativity of Anisotropic Plastics Under Biaxial Compression, by F.P. Belyankin, V.F. Yatsenko, et al. 6 pp. RUSSIAN, per, Prikladnaya Mekhanika, Vol 3, No 9, 1967, pp 90-98. MIR/ITD/AD-23-1074-68

sci/physics
may 69 382,913

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Experimental Investigation of Deformation of Constructions by Means of Curvature Gauges With Pneumatic Contacts, by O.N. Chekin, S.V. Malashenko. 10 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 3, No 9 1967, pp 99-100.
AIR/FTD/MT-23-1074-68

sci/materials
may 69

382,914
382,914

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

The Problem of Selecting the Optimum Structure for Fiber Glass-Reinforced Plastic in Thin Elastic Shells of Revolution, by/
A. V. Chigirinskiy. 7 pp.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 3, No 9, 1967, pp 130-134.
AIR/FTD/MT-23-861-68

sci/materials
apr 69

380.051

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Progress in Researhc on Fatigue in Materials and Structural elements in the Ukraine During the Years of Soviet Power, by S. V. Serensen.
RUSSIAN, per, Prikl Mekh, Vol 3, No 10, 1967, pp 38-43.
~~FTD-0-356~~
FTD Special 241-68

Feb 69 375,383

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

The Strength of Materials and Load Carrying Capacity of Structural Elements at High and Low Temperatures, by G. S. Pisarenko.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 3, No 10, 1967, pp 44-52.
AIR/FTD/MT-24-381-68

Sci-Mat
Apr 69

380,331

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Several Problems of the Theory of Asymmetric Elasticity, by B. V. Gorskiy. 17 pp. RUSSIAN, per, Prikladnaya Mekhanika, Vol 3, No 11, 1967, pp 74-83. AIR/FTD/MP-23-608-68

sci.physics
apr 69

380,043

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Development of a Metod of Integral-Differential Equations in the Theory of Plates and Sheels, by B. N. Fradlin. F. A. Tsykunov.
RUSSIAN, per, Prik Mekh, Vol 3, No 12, 1967, pp 10-15.
NTC 69-10762-12B

Sci-Math
May 69

382,677

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

The Problem of Failure of a Brittle Body With a Disk-Shaped Crack, by V. V. Panasyuk, A. Ye. Andreykiv. 9 pp.
KHKIAI, per, Prikladnaya Mekhanika, Vol 3, No 12, 1967, pp 28-33.
AIP/FTD/MT-23-500-68

sci/ physics
oct 69

395,376

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Stress-Strain Dependence in the Initial Plastic Deformation Stage Under Biaxial Tension, by I. A. Kozlov.
RUSSIAN, per, Prikl Mekh, No 12, 1967, pp 118-121.
CIA X-6742

NTC-69-11623-20K

Sept 68

367,076

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

About a Method of Solving a Second Basic Problem for Complex Form Areas, by V. G. Klimenko, V. L. Rvachev.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 4, No 1, 1968, pp 25-32.
FTD-S-[redacted] 206-69

Apr 69

380,861

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

About Cyclic-Symmetrical Problems for a Spherical Shell, Weakened by Holes, by A. N. Guz' 4 pp. RUSSIAN, per, Prikladnaya Mekhanika, Vol 4, No 1, 1968, pp 40-43.
FTD S-6[redacted] 301-69

june 69

384,195

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Determining Stresses by the Weight Distribution Method when Modeling Plasticity and Creep Problems, by M. Kh. Akhmetzyanov. RUSSIAN, per, Prikladnaya Mekhanika, Vol 4, No 2, 1968, pp 9-15.
FTD-S-~~5-81~~ 205-69

Apr 69 380,860

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

F. A. Furman

The Modulation of HF Vibrations in Hydraulic Systems With Distributed Parameters.
RUSSIAN, per, Prikladnaya Mekhanika. Kiev, Vol 4, No 2, 1968, pp 93-101.
NTC 72-13564-20D

Nov 72

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Problem of Nonstationary Escape of a Gas Stream Through a Laval Nozzle, by A. Ye. Zakrzhevskiy, RUSSIAN, per, Prikladnaya Mekhanika, Vol 4, No 2, 1968, pp 102-107.
FTD-S-~~498~~/61-69

Apr 69 379,941

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Analysis of the Equations of Three-Layer Asymmetrical Shells with Solid Fillers, by Ye. I. Grigolyuk, V. M. Kornev.
RUSSIAN, per, Prikladnaya Mekhanika, Vol 4, No 3, 1968, pp 1-10.
FTD-S-[illegible] 231. 68

Dec 68

371,627

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Nonsymmetrical Deformation of Isotropic and Anisotropic Shells of Revolution, by Ya. M. Grigorenko, et al. 8 pp. RUSSIAN, per, Prikladnaya Mekhanika, Vol 4, No 3, 1968, pp 19-28.
FTD S 674 3/8 69
318-69

july 69 384,245

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

On the Problem of the Interaction Between Rectilinear Cracks of a Given Orientation, by L. T. Berezhnitskiy, A. O. Datsyshin. 11 pp. RUSSIAN, per, Prikladnaya Mekhanika, Vol 4, No 3, 1968, pp 112-117.
AIR/PTD/MT-23-1060-68

sci/physics
july 69

384,214

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

On the Construction of a Conformal Mapping for a Complex Doubly-Connected Domain, by Ye. A. Kolchanova, A. V. Shvetsov.
RUSSIAN, per, Prikl Mekh, Vol 4, No 4, 1968, pp 8-15.
CIA X-6983

Apr 69

379,965

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

Small Elastoplastic Deformations of Plates and Shells, by V. I. Korolev.
RUSSIAN, per, Prikl Mekh, Vol 4, No 4, 1968, pp 16-24.
CIA X-6699

August 68 357,514

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2

On Elastic Wave Propagation in Variable Thickness Shells of Revolution Under Axisymmetric Strain, by N. D. Veksler.
RUSSIAN, per, Prikl Mekh, Vol 4, No 4, 1968, pp 35-38.
CIA X-6705

August 68

357,520

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300980015-2